

What is claimed is:

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1 An apparatus, comprising:
a display displaying a user interface
element having a use orientation;
5 sensors coupled to said display and
sensing a spatial orientation of said display; and
a display processor adjusting the use
orientation of the user interface element relative
to the spatial orientation as the spatial
10 orientation changes.

2. An apparatus as recited in claim 1,
wherein said display comprises:

a flat panel; and
a turntable coupled to said panel and
15 allowing said panel to rotate.

3. An apparatus as recited in claim 1,
wherein an image on said display is aligned with the
spatial orientation.

4. An apparatus as recited in claim 1,
20 wherein an image on said display is aligned relative
to the spatial orientation and the use orientation.

5. An apparatus as recited in claim 1,
further comprising an input device integrated with
said display allowing the user to input by
25 interacting with said display.

6. An apparatus as recited in claim 1,
wherein said display can change orientations in
three dimensions.

7. An apparatus as recited in claim 1, wherein a view point of an image changes as the display changes orientation.

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8. An apparatus, comprising:
a flat panel display displaying a user interface element having a use orientation;
a turntable coupled to said display and allowing said display to rotate;
sensors coupled to said display and determining a rotation orientation of said display;
an input device integrated with the display allowing the user to input by interacting with the display; and
a display processor coupled to said display, said sensors and said input device, adjusting the use orientation of the user interface element relative to the spatial orientation as the spatial orientation changes, aligning a work image on said display to the spatial orientation and executing an interface function responsive to an interface input for the user interface element made relative to the oriented user interface element.

9. An apparatus, comprising:
a display monitor allowing a work image to change orientation while interface elements remain in a fixed orientation with respect to a user.

10. An apparatus, comprising:
a display monitor adapted to allow continuous change in orientation and present a displayed image; and
a display control system sensing the continuous orientation change of the display monitor and adapting the displayed image to the continuous orientation change.

11. An apparatus, comprising:
a display monitor adapted to allow continuous change in orientation; and
a software based system sensing the continuous orientation change of the display monitor

and adapting the functions performed to the continuous orientation change.

12. A method, comprising:
sensing spatial orientation changes of a display; and
changing a visual orientation of user interface element on the display relative to the display as the spatial orientation changes.

13. A method of orienting a menu of a display, comprising:

determining a current three-dimensional orientation of the display;
comparing the current orientation of the display to a user determined, fixed orientation reference and determining a difference;
setting a three-dimensional menu orientation of the menu relative to the difference;
mapping the menu onto the display responsive to the menu orientation; and
allowing a user to select from the menu.

14. A method as recited in claim 13, wherein an work image on the display is aligned with the current orientation.

15. A method as recited in claim 13, wherein a work image on the display is oriented relative to the current orientation.

16. A method, comprising:
sensing an orientation of a display; and
adapting a function of the display to the orientation.

17. An apparatus, comprising:
an image display movable into different orientations and including a user interface; and
an orientation sensor coupled to said display and determining continuous orientations of the display as the display is moved, and said display maintaining orientation of the user interface with respect to a user independent of physical position of a displayed image.

18. An apparatus as recited in claim 17, wherein a view point of an image on said display changes as orientation of the display changes.

19. A method, comprising:

allowing a user to continuously change an orientation of a display;

determining the orientation of the display as the display continuously changes orientations; and

maintaining an orientation of a user interface with respect to the user independent of physical position of the display.

20. A computer readable media including a process sensing spatial orientation of a display and changing a visual orientation of a user interface element on the display relative to the display as the spatial orientation changes.

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